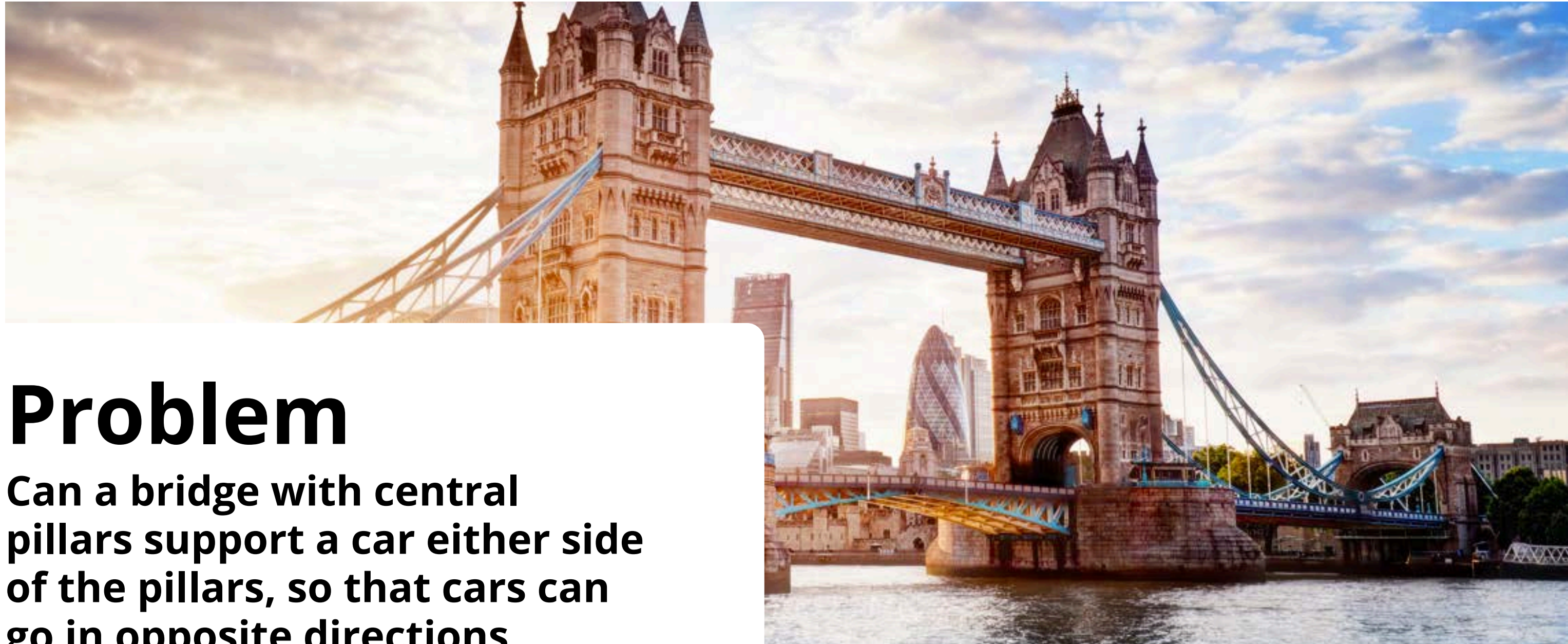


A large concrete bridge with many pillars spanning across a body of water at sunset. The sky is a mix of blue and orange, with the sun low on the horizon. The bridge's structure is silhouetted against the bright sky.

Arabella Parry 4T

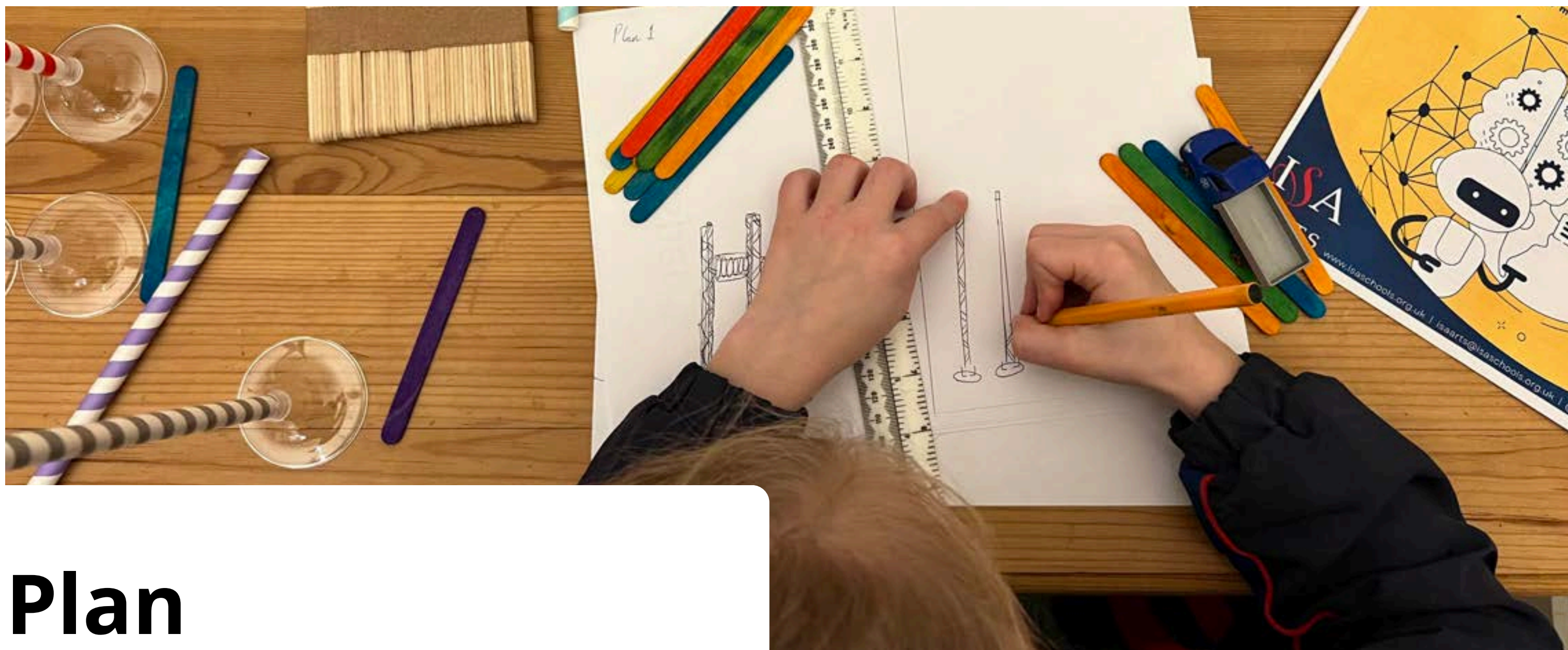
Design a bridge

that can support a toy car



Problem

Can a bridge with central pillars support a car either side of the pillars, so that cars can go in opposite directions without crashing?

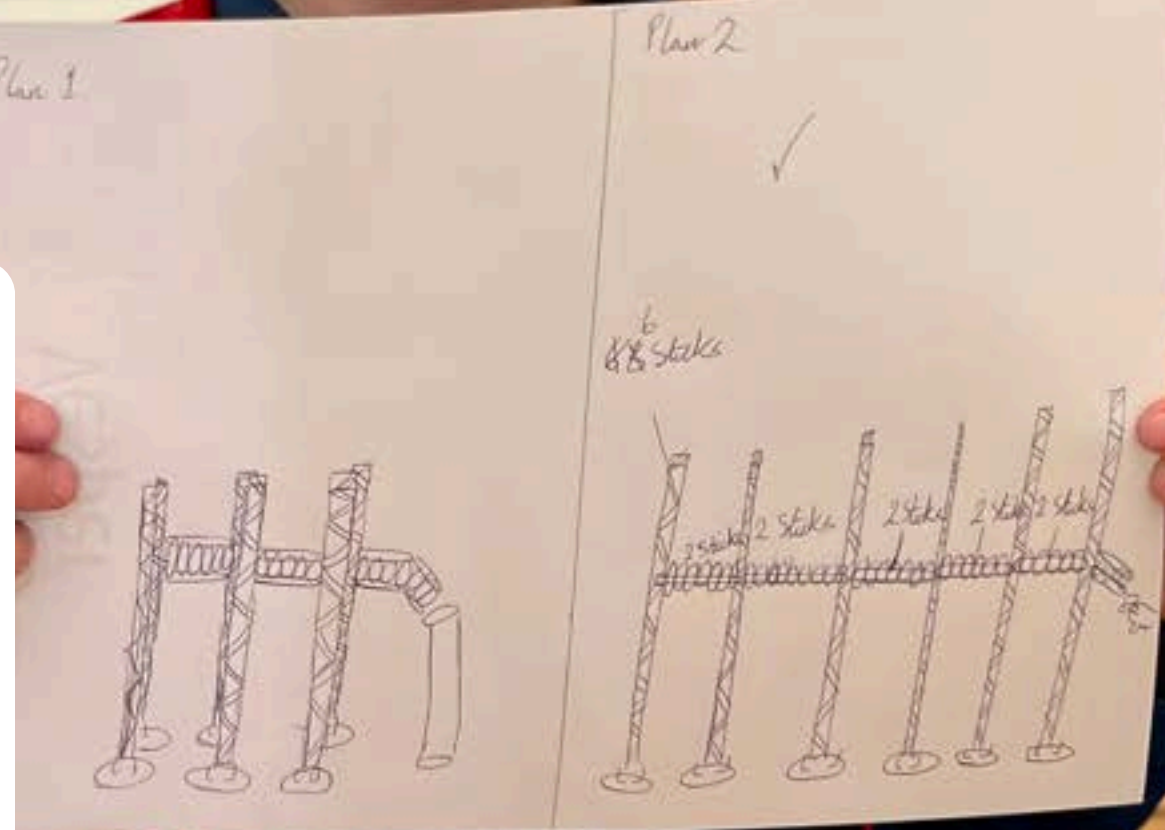


Plan



Plan

I selected plan 2 with four central pillars because it was more challenging.













Testing



I turned the bridge upside down so that I could strengthen the structure using extra lolly sticks and red tape



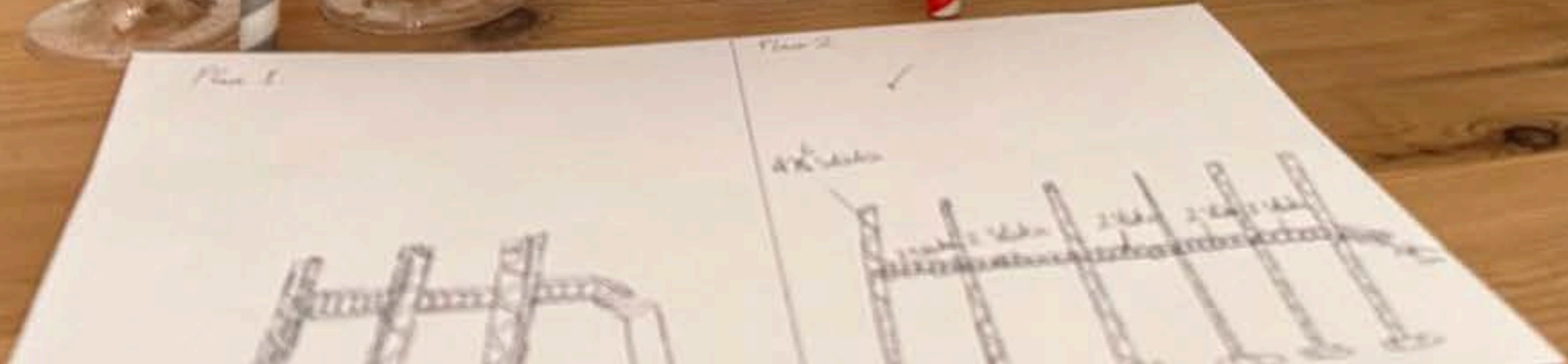
Vesper

I added straws to make barriers to stop the cars fling off the bridge





My finished bridge



VIDEO
View here

